









UIC Priorities

- ♦ HYDRAULIC FRACTURING/COAL BED METHANE
- **♦ CLASS I MUNICIPAL WELLS IN FLORIDA**
- ◆ ESTABLISHING UIC MEASURES OF SUCCESS
- **◆ CLASS V WELL STRATEGY**
- **◆ UIC WELL SPECIFIC DATABASE**
- ◆ UIC STATE AND TRIBAL PRIMACY PROGRAM REVISIONS AND NEW APPLICATIONS



More UIC Priorities

- ◆ TECHNICAL ASSISTANCE TO REGIONS AND STATES
- ◆ DESALINATION AND DRINKING WATER TREATMENT RESIDUALS
- ◆ AQUIFER STORAGE AND RECOVERY WELLS
- **◆ CARBON SEQUESTRATION**



CO2 Related Activities in 2003

- ◆ 2nd Annual Carbon Sequestration Conference
- ◆ EPA Participation in GEO SEQ
- ◆ EPA/State UIC Technical Workgroup
- ♦ UIC Manager's Meeting- Denver, June 2003
- ◆ 2nd International Underground Injection Science and Technology Conference
- October 2003 at Lawrence Berkeley Lab
- Over 140 participants from 30 countries
- Half Day of CO2 injection related presentations



Coordination Starts with EPA Offices

- ◆ Early 2004 Communications with Office of Air
- ◆ Participation in EPA Geologic Carbon Sequestration Workshop – February 2004
- Briefings begin with OGWDW/UIC Management in March 2004
- Meetings between OAR and Office of Water Deputy Assistant Administrators – April 2004
- Joint OAR/OW Briefing with the Deputy Administrator – April 2004
- Participation at DOE 3rd Annual Conference on Carbon Capture & Sequestration – May 2004



Latest Discussions

- ◆ Ground Water Protection Research Foundation
- Annual Policy Meeting in March 2004
- Decision to Prepare Research Paper on CO2 Issues
- EPA/State/Federal Labs/Industry Collaboration
- UIC Manager's Meeting for 2004
- New York City May 17th
- Continued Collaboration between OAR and OW and Talks with EPA Senior Management



Future Plans

- ♦ EPA will continue to work with all stakeholders
- OGWDW will work with Regions and States on UIC permitting issues on an "as needed" basis
- Further "position development" may come as an outgrowth of work via:
 - Office of Air and Radiation/Climate Programs
 - Ground Water Protection Council
 - EPA/State UIC Technical Workgroup



Why?...Public Health Concerns

- Nature of certain injected fluids pose a risk to ground water quality and public health if managed improperly.
- Even deep Class I and Class II wells must be properly sited and constructed to avoid contaminating USDWs.

Class V Wells:

Are numerous & may be in close proximity to PWS or private wells;

They Inject a wide range of fluids;

Inventory, location & injectate data is incomplete.



